

## ACTIVITY

### READING

#### *A Master Sleuth*

If you truly enjoy a mystery, you may want to do some investigating on your own by reading some of Agatha Christie's books. The title of the book that was quoted on page 139 is *The Mysterious Affair at Styles*. If your local library does not have this particular work, ask your librarian for a list of some other Agatha Christie books.

#### Guide for Reading

Focus on these questions as you read.

- ▶ What are the five sense organs?
- ▶ What are the functions of the five sense organs?

### Activity Bank

A Gentle Touch, p. 257

For example, when you are frightened, nerves leading to organs such as the lungs and the heart are activated. This action causes your breathing rate and heartbeat to increase. Such an increase may be necessary if extra energy and strength are needed to deal with the frightening situation. But when the frightening situation is over, the other group of autonomic nerves bring your breathing rate and heartbeat back to normal.

## 6-2 Section Review

1. What are the two major parts of the human nervous system? What is the function of each?
2. Identify the three main parts of the brain and give their functions.
3. What is the function of the spinal cord?
4. Describe a reflex.

#### Critical Thinking—Applying Concepts

5. If a person's cerebellum is injured in an automobile accident, how might the person be affected?

## 6-3 The Senses

You know what is going on inside your body and in the world around you because of neurons known as receptors (neurons that respond to stimuli). Many of these receptors are found in your sense organs. Sense organs are structures that carry messages about your surroundings to the central nervous system. **Sense organs respond to light, sound, heat, pressure, and chemicals and also detect changes in the position of your body.** The eyes, ears, nose, tongue, and skin are examples of sense organs.

Most sense organs respond to stimuli from your body's external environment. Others keep track of the environment inside your body. Although you are not aware of it, your sense organs send messages to the central nervous system about almost everything—from body temperature to carbon dioxide and oxygen levels in your blood to the amount of light entering your eyes.